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BY: Danyle R. Patch

DATE: April 16, 2002

**PATENT  
BOX NON-FEE AMENDMENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re: Patent Application of : Group Art Unit: 1632  
Haig H. Kazazian, Jr. et al. :  
Appln. No.: 09/653,812 : Examiner: A. Baker  
Filed: September 1, 2000 :  
For: COMPOSITIONS AND METHODS : Attorney Docket  
OF USE OF MAMMALIAN : No.: 053893-5006-02  
RETROTRANSPOSONS : (9596-23U3)

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APR 25 2002

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**AMENDMENT**

This Amendment responds to the Office Action mailed on December 17, 2001 (Paper No. 5), sent in connection with the above-captioned divisional application.

This Amendment is being timely filed in view of the accompanying petition for a one (1) month extension of time, and associated fee, which extends the time for a response to the Office Action to and through April 17, 2002. In response to the Office Action, kindly amend the application as follows.

**In the claims:**

Please cancel claims 35, 45, and 48, without prejudice.

Please amend claims 34, 36-44, 46, 47, and 49 as follows:

34. (Amended) A [non-human] transgenic [mammal] mouse comprising an isolated DNAC molecule, wherein said DNAC molecule comprises a promoter P and an L1 cassette sequence comprising a core L1 retrotransposon element.

36. (Amended) The [non-human] transgenic [mammal] mouse of claim [35] 34, wherein said core L1 retrotransposon element comprises a 5' UTR, ORF1, ORF2 comprising EN and RT domains, a 3' UTR, a poly A signal, and a vector sequence comprising at least one origin of DNA replication and a DNA sequence encoding at least one selectable marker protein.